

Preface

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Abstract. International Conference on Electronics, Engineering Physics and Earth Science (EEPES 2026), 24 - 27 June, 2026, Bandırma, Türkiye.

The fifth edition of the International Conference on Electronics, Engineering Physics and Earth Science (EEPES 2026) was held in hybrid mode in Bandırma, Türkiye, from 24 to 27 June, 2026.

The EEPES 2026 Conference is the premier international venue focused on understanding the current state and the evolution of the science through the lens of engineering physics, electronic devices and microelectronics, telecommunications, optical and electromagnetic communication, artificial Intelligence and soft computing, environmental physics and renewable energy, and many other disciplines. It is a place where researchers, academics, industry professionals, students, and others present and discuss progress in research, development, standards, and applications in applied and engineering physics.

The technical program of this year's edition of the conference consists of two distinguished keynotes by world-renowned experts with their plenary lectures as follows:

- Prof. Dr. Juan Carlos Prince Avelino, Tecnológico de Monterrey, Mexico, the title of the lecture “Computational Analysis of Airfoil Flow Control and Martian Entry Capsule Aerodynamics: A Research Internship Study”;
- Prof. Dr. Adnan Kavak, Department of Computer Engineering, Kocaeli University, Türkiye, the title of the lecture “Towards Sustainable IoT in Future Communication Networks: Symbiotic Sensing and Backscatter Communications for Ambient IoT”.

We have prepared an interesting plenary session featuring not only respected university professors and academic speakers on visionary topics but also distinguished technical presentations from our sponsor, SUNOTEC Group, Bulgaria. Mr. Metodi Dimitrov, manager of Grid Connection & Commissioning, SUNOTEC Group, Bulgaria, presented his vision on: “Perspectives for the Development of Aggregators in Micro Grids in Eastern Europe”

The technical program of the conference consists of 1 plenary session, 1 technical session, 21 research paper tracks, and 3 workshop panels. The authors of the accepted papers who are unable to attend the conference in person were given the option to present their papers online and to attend an interactive virtual conference. Online presentations were held in a virtual

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room environment via the Zoom Meeting platform for the opening ceremony, all conference sessions, and meetings.

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